

bidim®

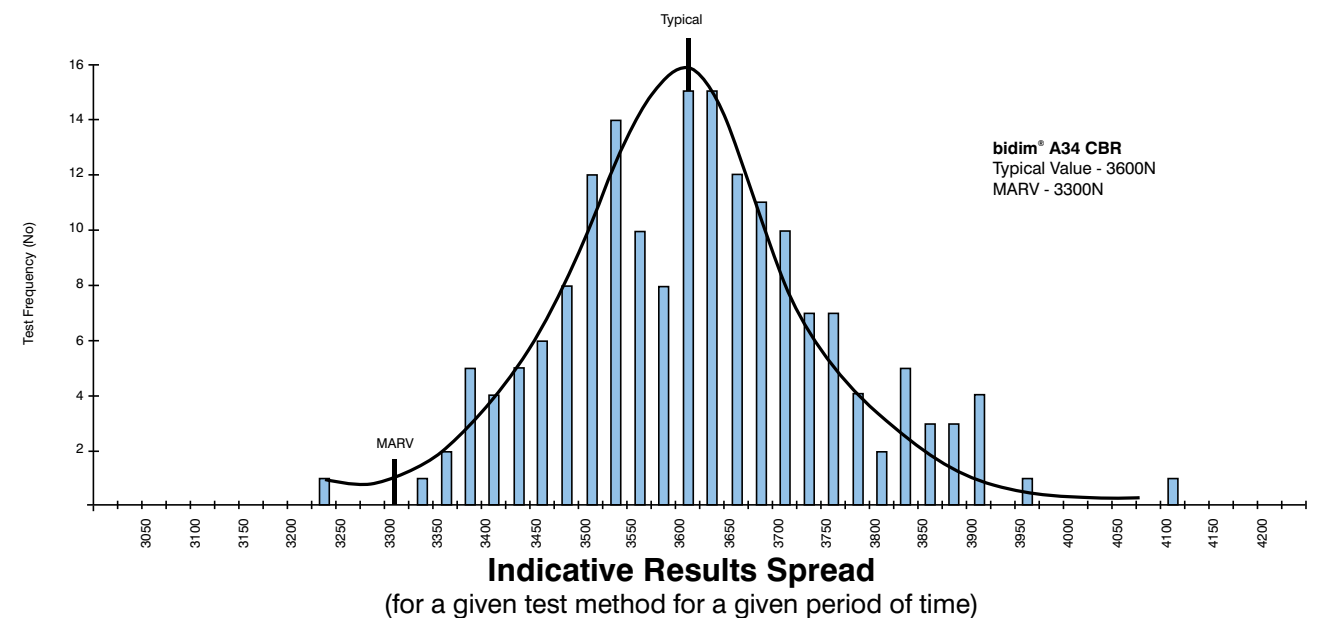
Technical Data Sheet



**Polyester Geotextiles
made in Australia
from recycled polymer**

Definition of Terms

- ISO accreditation** ISO standards serve to safeguard consumers and users of products and services in general. Standards raise levels of quality, safety, reliability and efficiency.
- Machine Direction (MD)** The direction in a machine-made fabric, parallel to the direction of motion of the material through the processing machine i.e. along the length of the roll.
- Cross Machine direction (XMD)** The direction in a machine made fabric, perpendicular to the direction of motion of the material through the processing machine i.e. across the width of the roll.
- Typical Value** A typical value is the arithmetic mean of a set of results, see diagram below. This implies that 50% of the tested specimens will typically exceed this value and 50% will typically not meet this value.
- Minimum Average Roll Values (MARV)** MARV is a statistical derivation for any distribution of data. It is defined as the mean or typical value less 2 standard deviations, (refer to diagram below). Mathematically it is implied that 97.5% of the tested specimens will exceed the MARV value.



IMPORTANT NOTICE

The information contained in this brochure is general in nature. In particular the content of this brochure does not take account of specific conditions that may be present at your site. Such conditions include the soil composition, topography, land stability, climate, the present or proposed use of the site and adjacent lands- and many other factors. Those site conditions may alter the performance and longevity of the product and in extreme cases may make the product wholly unsuitable. Any data or specifications contained in this brochure are values obtained in our laboratory. Actual dimensions and performance may vary. If your project requires accuracy to a certain specified tolerance level you must advise us before ordering the product from us. We can then advise whether the product will meet the required tolerances. Where provided, installation instructions cover installation of product in site conditions that are conducive to its use and optimum performance. If you have any doubts as to the installation instructions or their application to your site, please contact us for clarification before commencing installation. In all cases we recommend that advice be obtained from a qualified consulting engineer before proceeding with installation. © Copyright held by Geofabrics Australasia Pty Ltd. All rights are reserved and no part of this publication may be copied without prior permission.

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Australian Made



Specifications

Issue Date February 2009

bidim® Geotextiles – Typical and MARV Values

bidim® geotextiles are manufactured in accordance to ISO 9001:2000, Cert No: QEC1773

All bidim® “A” Range non-woven, needle punched, continuous filament, polyester geotextiles are made in Australia from recycled polymer.

Test		Standard	Units	A12	A14	A19	A29	A39	A44	A49	A64
Mechanical Properties	Wide Strip Tensile Strength (MD/XMD)	AS3706.2-00	kN/m	Typical MARV 9.4/8.0 7.5/6.6	11.0/9.5 9.0/7.7	14.0/12.8 12.0/10.0	19.0/17.0 15.5/14.5	26.5/25.5 22.0/21.0	29.5/28.0 24.5/24.0	37.0/34.0 31.5/30.5	41.5/38.0 35.8/33.0
	Trapezoidal Tear Strength (MD/XMD)	AS3706.3-00	N	Typical MARV 240/230 205/180	300/270 240/220	350/330 295/280	490/450 380/360	630/610 530/510	753/700 575/550	915/910 750/740	1060/1010 800/770
	CBR Burst Strength	AS3706.4-01	N	Typical MARV 1550 1275	1720 1500	2250 1925	3200 2800	4400 3950	4800 4450	6400 5850	6850 6300
	Grab Tensile Strength (MD/XMD)	AS2001.2.3 Method B - 88	N	Typical MARV 620/570 510/430	720/650 600/530	950/860 795/730	1280/1200 1100/1000	1900/1670 1590/1490	2100/1910 1800/1680	2850/2570 2490/2200	3010/2850 2620/2460
	G Rating	Austrroads	G	Typical MARV 1150 900	1500 1250	1950 1550	2480 2160	3450 3100	3900 3450	5150 4600	5400 5000
(MD)= Machine Direction Strength / (XMD)= Cross Machine Direction Strength											
Hydraulic properties	Pore Size	AS3706.7-90	µm	120	110	110	90	80	80	80	80
	Permittivity	AS3706.9-01	s ⁻¹	2.50	2.35	2.20	1.85	1.25	1.10	0.90	0.80
	Coefficient of Permeability	AS3706.9-01	m/s	33	33	33	33	33	33	33	33
	Flow Rate @ 100mm Head	AS3706.9-01	l/m ² /s	250	235	220	185	125	110	90	80

Meets TNZ F/7 (2003) Filtration Class 1 - 4 and Strength Class (refer spec sheet M080 04/05 - MNZ)

A B C D E

The product properties listed on this sheet include both **Typical** and **Minimum Average Roll Values (MARV)** for machine and cross machine directions (MD/XMD), definitions of these terms are included on the reverse side of this data sheet. All testing has been carried out by a NATA accredited laboratory, copies of test certificates are available on request.